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Maryland University
... Official publication
1915
MARCH, 1914

VOL. 12.

MARCH, 1914

No. 1

The Maryland Agricultural College Bulletin

SUMMER TRAINING SCHOOL
FOR RURAL TEACHERS

AT COLLEGE PARK, MD.

JUNE 21ST TO JULY 30TH, 1915

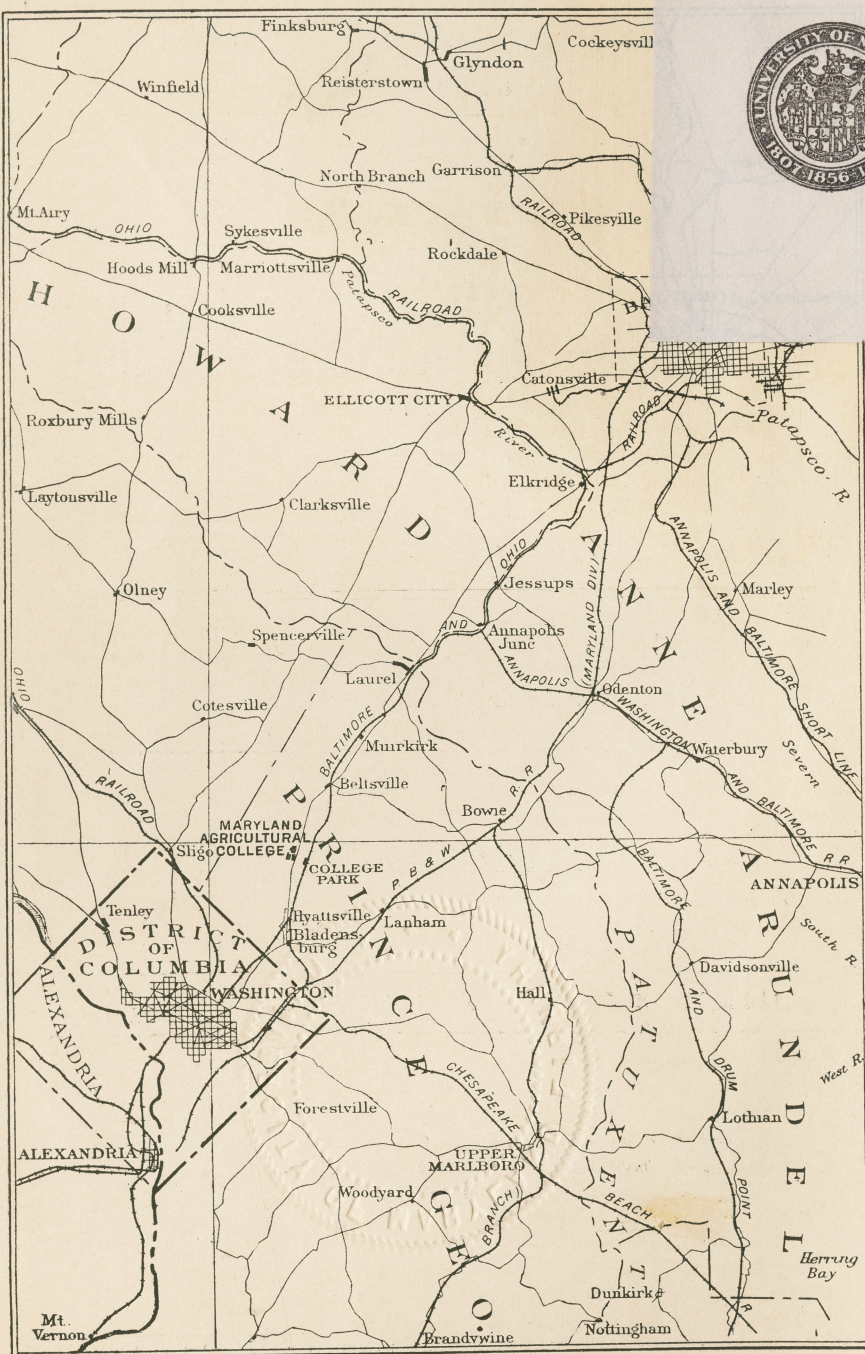
ISSUED MONTHLY, EXCEPTING THE MONTHS OF
NOVEMBER, DECEMBER, JANUARY,
AND FEBRUARY.

Entered at College Park, Md., as Second Class Matter under Act of Congress,
July 16th, 1894.

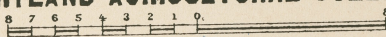
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LIBRARY—COLLEGE PARK



MAP SHOWING LOCATION OF
MARYLAND AGRICULTURAL COLLEGE.



8 miles = one inch

General Information.

THE second session of the Maryland Agricultural College Summer School for Rural Teachers will begin on Monday, June 21st, and continue for six weeks. The success of the first session in meeting the demand for this special training seems to warrant the large increase in the number of courses offered this year, and the addition of a number of specialists to the teaching force. The addition of the College credit and the review courses will widen the scope of work so that there will be opportunity for instruction for teachers in every grade of school work. The courses are open to all men and women who are qualified to pursue the chosen work to an advantage. The instruction in the Summer School, which is an integral part of the College work, is free to all residents of Maryland.

LOCATION.

The Maryland Agricultural College is located in Prince George's County, Maryland, on the Washington Division of the B. & O. R. R., eight miles from Washington, and thirty-two miles from Baltimore.

The College grounds front on the Baltimore and Washington Boulevard. The site of the College is particularly beautiful. The buildings occupy the crest of a commanding hill, which is covered with forest trees, and overlooks a broad valley and a number of suburban towns. In front, extending to the Boulevard, is a broad, rolling campus, the drill ground and athletic field of the students. A quarter of a mile to the northeast are the buildings of the Experiment Station. The College farm contains about three hundred acres, and is devoted to fields, gardens, orchards, vineyards, poultry, etc., used for experimental purposes and demonstration work in agriculture.

ACCOMMODATIONS.

The new dormitory, Calvert Hall, will be reserved for the women applicants. The house used by former presidents of the College, which is located on the campus, is reserved for the men. Miss Emma S. Jacobs, who will be in charge of the Domestic

(1)

Science courses, will have general supervision of the women's quarters, and will be ready at any time to advise women students. Ample accommodations may be had in the village or in the nearby towns of Berwyn, Hyattsville and Riverdale. Dormitory students should supply themselves with towels, pillowcases, sheets and a blanket. Students who expect to register for the Domestic Science work should bring with them two large white aprons, two crash towels (one-half yard square) and a holder (four inches square). Laundry facilities will be provided by the College.

REGISTRATION.

Monday, June 21st, will be registration day. Students should register on Monday, and be ready for class work Tuesday, the 22nd. Students may register in advance by filling out the enclosed blank, and mailing it to the Director of the Summer School.

EXPENSES.

The instruction is free to all students of Maryland and the District of Columbia. A registration fee of five dollars will be charged to all applicants. This fee will be used to defray the expense of athletic property, library, janitor service and general use of College property. A special fee, which is named in connection with the description of each College, credit course, will be charged for the use of laboratory materials.

The cost of board at the College dining hall will be twenty-four dollars for the entire term, or at the rate of four dollars per week. The room rent in the dormitory is one dollar per week. The board and room in the villages varies from five to seven dollars per week.

CREDITS.

The Agricultural College will give entrance or college credit, respectively, in subjects in which the student performs the requisite amount of work. College credit courses may be pursued only by students who have fulfilled college entrance requirements. Students completing the summer-school work in any of the subjects, and passing a satisfactory examination, will be issued a certificate showing the amount and grade of work done.

BOOKS.

The College and Experiment Station Library will be open for students' use. It contains a large number of carefully chosen

reference books in the Sciences, History, Biography, Poetry and the standard works of fiction. In addition, it contains a complete set of State and National reports and surveys.

Teachers pursuing the review courses should bring with them any text-books relating to the subjects in which they expect to receive instruction. A nominal charge will be made for any text-books loaned by the College.

CONFERENCE HOUR.

The Conference Hour is planned for two specific purposes. First, to give the student an opportunity to confer with instructors on subjects relative to their school work. Second, an hour during which men of prominence in their special lines of work will address the students, or conduct "Round Table" discussions. These lectures will be by appointment.

EXCURSIONS.

The vicinity of College Park abounds in places of historic and geologic interest. The College farm, with its experiments in fertilizers, field crops, market gardens, fruits, dairy herd and poultry plant, will afford ample opportunity for useful study. The District of Columbia, which is only four miles distant, will give the students an unusual opportunity to visit and study the National Departments of our government. Following the plan of last year, prearranged excursions to these places of interest will be features of the Saturdays' program.

ATHLETICS.

Students will have use of the Athletic Field, Tennis Courts, Gymnasium and the Y. M. C. A. game rooms. A competent instructor will be in charge of the games and organized play.

COURSES.

The courses are divided into three groups: Review Courses in Elementary School Subjects, Secondary Courses in Vocational and Science Subjects, and College Credit Courses. It is highly desirable for the students pursuing the review courses to enroll for at least one of the Vocational or Science subjects. Students who matriculate for College credit work will be limited to two or three courses, according to the character of the courses pursued. A "unit" of college credit represents one hour of theoretical work per week for one year; or two hours of practical work per week for one year.

Faculty of Summer School.

H. J. PATTERSON, Sc., D., President.

HERSCHEL FORD, Ph. B., Registrar and Treasurer.

J. E. METZGER, B. S., Agricultural Education, Director of Summer School.

THOMAS H. SPENCE, A. M., Languages.

H. B. McDONNELL, M. S., M. D., Chemistry.

W. T. L. TALIAFERRO, A. B., Agriculture.

HENRY T. HARRISON, A. M., Mathematics.

SAMUEL S. BUCKLEY, M. S., D. V. S., Animal Industry.

F. B. BOMBERGER, B. S., A. M., Education and Economics.

CHARLES S. RICHARDSON, A. M., English.

J. B. S. NORTON, M. S., Botany and Vegetable Pathology.

T. B. SYMONS, M. S., Entomology.

HARRY GWINNER, M. E., Mechanical Engineering.

T. H. TALIAFERRO, C. E., Ph. D., Civil Engineering.

MYRON CREESE, B. S., E. E., Electrical Engineering and Physics.

HERMAN BECKENSTRATER, M. S., Pomology.

R. H. RUFFNER, B. S., Animal Husbandry.

HOWARD L. CRISP, Mechanical Engineering.

E. N. CORY, M. S., Zoology.

L. B. BROUGHTON, M. S., Chemistry.

EMMA S. JACOBS, Domestic Science.

(Supervisor of Domestic Science, Washington, D. C., Schools.)

THERESA WIEDEFELD, Rural Education.

(Former Supervisor in Baltimore County Schools, Maryland State Normal School.)

- LULA ELIZABETH CONNOR, A. B., Library Economy.
- ELLEN HOPE WILSON, A. B., Physical Education.
(Supervisor Physical Training, New York City Schools,
Brooklyn Division; Washington, D. C., Playground Association.)
- EDWARD A. MILLER, M. S., Rural School Agriculture.
(Specialist in Agricultural Education, United States Department of Agriculture.)
- H. C. ROSE, A. B., Botany.
- B. W. ANSPON, B. S., Horticulture and Landscape Gardening.
- NATHAN R. WARTHEN, B. S., Mechanical Engineering.
- GROVER KINZY, B. S., Agronomy and Farm Machinery.
- G. P. SPRINGER, B. S., Civil Engineering.
- C. L. KAH, B. S., Electrical Engineering and Physics.
- H. C. BYRD, B. S., Physical Culture.
- S. C. DENNIS, M. S., Bacteriology.
- E. F. STODDARD, B. S., Horticulture.
- R. H. WAITE, B. S., Poultry.
- HERBERT WHITE, B. S., Chemistry.
- B. H. DARROW, B. S., Secretary, Y. M. C. A.

GROUP I.

REVIEW COURSES IN ELEMENTARY SCHOOL SUBJECTS.

RURAL ELEMENTARY SCHOOL METHODS.

Miss Wiedefeld.

A course involving the general principles of teaching, school organization and government, lesson planning and methods of presenting the subject matter in the elementary grades. School law, teachers' helps, including State Course of Study, and rural school problems will be discussed. This course will meet the requirements of the Act of the General Assembly of Maryland pertaining to the minimum training for teachers.

One period daily.

ARITHMETIC.

Methods and devices for the teaching of the fundamental processes of cancellation, common fractions, denominate numbers, metric system and percentage and its application. Throughout the course special attention will be given to processes and the principles underlying them and the methods of presentation.

One period daily.

ENGLISH.

Miss Wiedefeld.

A review course in which special emphasis is given to composition, letter writing, paragraph writing, punctuation, capitalization, classification and analysis of sentences.

One period daily.

PHYSIOLOGY AND HYGIENE.

Miss Jacobs.

A study of the processes connected with nutrition, including circulation and secretion; the sense organs; the power of motion and the effects of movements and postures; the helps and hindrances to health. The course includes lectures, readings, demonstrations and discussions.

One period daily.

UNITED STATES HISTORY.

Course One: A study of our history from its beginning to the close of the War of 1812. Special emphasis will be given to the colonial and later history of Maryland, the beginnings of our constitutional policies, the social and industrial side of our early history in its relation to the Old World.

Course Two: An outline study of the history of the United States from 1812 to the present time. The course will include a careful study of several of the great national movements, our political history as related to our foreign policies and interstate relations, the development of home industries and discussions on present-day public questions. The course will aim to inspire the student with a desire for further individual study.

One period daily.

GROUP II.

VOCATIONAL AND ELEMENTARY SCIENCE SUBJECTS.

ELEMENTARY AGRICULTURE. *Professors Taliaferro, Stoddard, Beckenstrater, Ruffner and Waite.*

An elementary course conducted by means of text-books, recitations, laboratory work, and farm observations. The work will be divided as follows, a week being given to each division: Soils and Soil Fertility, Farm Crops, Animal Husbandry, Horticulture, Vegetables and Fruits, and Poultry. The student will be provided with outlines, references and methods of presenting the subject in rural schools.

Text-book: Davis' *Productive Farming*.

Recitation, three hours; practice, six hours.

Entrance Credit.

CARPENTRY.

Associate Professor Crisp.

An elementary course in carpentry, in which the use and care of tools and the principles of joinery are taught. Students are taught to read and work from drawings. Special attention will be given to the planning of plain structures for the home and farm. Practice, six hours.

HANDICRAFT.

Associate Professor Crisp.

A course for students who desire a knowledge of and practice in weaving, braiding, raffia, iron and brass, and the tying of knots in rope and cords, the making of hitches and fastenings and the splicing of rope. Practice, three hours.

ELEMENTARY BOTANY.

Professors Norton and Rose.

Simple experiments in plant physiology, such as can be performed with apparatus readily accessible to every teacher. A study of flowers, leaves, stems, roots and seeds; their structure, form and function. Weekly field excursions for observa-

tion of some phases of plant ecology and for studying the common Maryland plants, including the algæ, fungi, ferns, mosses, etc. Recitation, two hours; practice, three hours.

Entrance Credit.

ELEMENTARY ENTOMOLOGY AND ZOOLOGY.

Professor Cory.

This course is designed to give the student a practical working knowledge of animal life and injurious insects. A study will be made of the general form, characteristics, habits and classification of animals. Special emphasis will be placed upon the preparation and mounting of specimens for school use.

Recitation, two hours; practice, three hours.

Entrance Credit.

ELEMENTARY PHYSICS.

Professor Creese.

The course consists of lectures, recitations and experimental demonstrations by the instructor on mechanics, hydrostatics, sound, heat, light, electricity and magnetism. The student is required to work a number of problems, and his attention is directed to the practical application of the principles taught.

Recitation, five hours per week.

Entrance Credit.

ALGEBRA TO QUADRATICS.

Professor Harrison.

A review of the fundamental operations: factoring, highest common factor and least common multiple, fractions, powers and roots, the solution of linear equations, radicals and the theory of exponents, the solution of second degree equations in one unknown quantity by factoring.

Recitation, five hours per week.

Entrance Credit.

ALGEBRA FROM QUADRATICS.

Professor Harrison.

A course in elementary algebra involving the solution of equations by the methods of linear and quadratic equations; ratio, proportion and variation, properties of series, including the binomial theorem for integral exponents, and the formulas for the n th term, and the sum of the terms of arithmetical and geometrical progressions, logarithms.

Recitation, five hours per week.

Entrance Credit.

PLANE GEOMETRY.

Mr. Springer.

Course One: A course involving a study of the important theorems of Books I and II. Applications of the theorems to original exercises will be made.

Course Two: Enrollment in Course II implies that the student has completed satisfactorily the subject of Plane Geometry in a high-school, or has completed Course I. Students in this course may complete the subject. The course involves many original exercises and practical problems in which the theorems studied are applied.

Recitation, five hours per week.

Entrance Credit.

SCHOOL LIBRARY ECONOMY.

Miss Conner.

An elementary course giving instructions in the use, care and selection of books; cataloguing, classification, etc. Instruction in the methods of large libraries adapted to the needs of the small, and especially the rural school library. The use of the most practical aids, as periodical indexes, reference books most useful in school libraries, aids for debating, rhetorical and declamatory works, agricultural studies, etc. The course is planned primarily for teachers who may also have the administration or planning of a school library.

Three periods per week.

HOME ECONOMICS.

DOMESTIC SCIENCE I.

Miss Jacobs.

Principles of combustion and ventilation; sources, uses, characteristics and purification of water; effects of various agents on food stuffs; principles of cooking foods containing starch, fiber, albumin and similar compounds; making sauces, breads and cakes.

Lectures, demonstrations and practice. Fee, \$2.00.

Two periods daily.

DOMESTIC SCIENCE II.

Miss Jacobs.

Food production, composition and nutritive value; principles of dietetics; planning meals, including cost and selection of materials; household management, including household furnishings, sanitation, care of food, care of sick and first-aid measures.

Lectures, demonstrations and practice. Fee, \$2.00.

Two periods daily.



CLASS IN SEWING.

DOMESTIC ART. I.

A study of the various stitches and their uses; plain hand sewing; use of patterns.

Lectures, demonstrations and practice. Fee, \$1.00.

Two periods daily.

DOMESTIC ART II.

Study of textile fibers and fabrics; the economics of purchase; the care and renovation of fabrics.

Lectures, demonstrations and practice. Fee, \$1.00.

Two periods daily.

GROUP III.

COLLEGE CREDIT COURSES.

SOILS 22.

Associate Professor Kinzy.

The study of the physical and chemical conditions of the soil in their relation to profitable agriculture. The study of this subject is conducted by means of lectures, text-books, laboratory and field work. A well-equipped soils laboratory and the wide variety of soils found on the College farm and in the State offer exceptional advantages in the theoretical and practical study of this important subject. Fee, \$2.00.

Text used: Lyon and Fippin's *Soils*.

Three theoretical and six practical periods per week.

College Credit 1.

FERTILIZERS 23.

Professor Taliaferro.

A course in which the subject is developed logically from the needs of the plant and the efficiency of the soil; the selecting of the proper plant foods for each crop under varying conditions of soil and climate. Special attention is given to the home-mixing of fertilizers. Laboratory fee, \$2.00.

Three theoretical and six practical periods per week.

College Credit 1.

CROPS 25.

Professor Taliaferro.

This course consists of lecture, field and laboratory work in the study of farm crops. Special attention is given to the note-taking and the study of results obtained in breeding work in corn and other fall-maturing crops on the Experiment Station farm. Laboratory fee, \$2.00.

Three theoretical and six practical periods per week.

College Credit 1.

FARM MACHINERY 26.

Associate Professor Kinzy.

A course of lectures and practical work in the mechanics and use and adaptability of farm implements to the various farm operations. Laboratory fee, \$2.00.

Three theoretical and six practical periods per week.

College Credit 1.

BREEDS AND SCORING 41.

Professor Ruffner.

This course is devoted to the detailed study of the breeds of live stock. The practical work commences with a study of the animal form by the use of the score card. Special attention is given to the relation of form to function. First, the productive types are firmly fixed in the student's mind; then he takes up more particularly breed characteristics. Laboratory fee, \$2.00.

One theoretical and six practical periods per week.

College Credit 1.

FARM POULTRY 49.

Mr. Waite.

This course takes up the methods of housing, artificial incubation, artificial breeding, feeding of chicks, feeding of laying hens and diseases of poultry. Laboratory fee, \$2.00.

Three theoretical periods per week.

College Credit 1.

ANIMAL NUTRITION 45.

Professor Ruffner.

This course embraces the principles and practice of animal feeding. After covering the principles of nutrition, it takes up the composition of feeding stuffs, their combination into properly balanced rations, and the relation between the sustenance of animals and their products. Students entering this course should have completed courses in organic chemistry and comparative anatomy and physiology. Laboratory fee, \$2.00.

Five theoretical and four practical periods per week.
College Credit 1½.

PRINCIPLES OF BREEDING 44.

Professor Ruffner.

This course takes up the principles of breeding, including selection, heredity, atavism, variation, fecundity, in-and-in breeding, cross breeding and a historical study of the results. Fee, \$2.00.

Five theoretical periods per week.
College Credit 1.

PRINCIPLES OF POMOLOGY 262.

Professor Beckenstrater.

An introductory course dealing with the study of orchard sites, planting plans for orchards, orchard management, pruning and propagation. Laboratory fee, \$2.00.

Three theoretical and four practical periods per week.
College Credit 1.

PRACTICAL VEGETABLE GROWING 281. *Associate Prof. Stoddard.*

A course designed to carry out as far as possible, in a practical way, the different phases of vegetable culture. The student will be expected to assist in starting plants under glass and growing crops in the field. Laboratory fee, \$2.00.

One theoretical and six practical periods per week.
College Credit 1.

PRINCIPLES OF LANDSCAPE GARDENING 300.

Associate Prof. Anspon.

An elementary course dealing with the principles of landscape gardening and their application to home grounds. Laboratory fee, \$2.00.

One theoretical and four practical periods per week.
College Credit 1.

GENERAL BOTANY 63.

Associate Professor Rose.

This is an elementary course in the general principles of anatomy, morphology and physiology of the higher plants. The structure and type of seed, root, stem, leaves, flowers and fruits are studied in the laboratory, with a brief consideration of the functions of the different plant organs.

There is also field work, with the manual on the native flora, designed to give a knowledge of the common Maryland plants and their position in the classification of the vegetable kingdom. The ecology of the plants examined in the field is also considered, and includes their relation to soils, water supply, light and other factors in their environment, cross pollination, dissemination of seeds, plant societies, etc. Laboratory fee, \$2.50.

Three theoretical and six practical periods per week.

College Credit 1.

PLANT HISTOLOGY 65.

Associate Professor Rose.

Laboratory work with the compound microscope, studying the minute structure of the tissues and organs of the various types of plants. Each student prepares a series of sections for study with the microscope, from which he makes a set of outline drawings. Laboratory fee, \$2.50.

Two theoretical and seven practical periods per week.

College Credit 1.

PLANT PHYSIOLOGY 66.

Associate Professor Rose.

Lectures and experiments on the life processes of plants; absorption and transfer of water and food materials, photosynthesis, respiration, growth, movement and reproduction. Special attention is given to the relation of physiological principles to agriculture. Laboratory fee, \$2.50.

Two theoretical and seven practical periods per week.

College Credit 1.

BACTERIOLOGY 100.

Mr. Dennis.

Methods of studying bacteriology, preparation of culture media, staining, etc. Study of various types of bacteria along morphological and biochemical lines. A thorough training in fundamental bacteriological technique. In connection with the

laboratory work, a discussion of Ehrlich's theory of immunity and a demonstration of some phenomena relating to the application of the theory. Laboratory fee, \$3.00.

Twelve practical periods per week.

College Credit 1.

GENERAL CHEMISTRY 81.

Professor Broughton.

Recitations and practical work in the laboratory, where the student performs the work under the direction of the instructors. Qualitative analysis is started in this course. Laboratory fee, \$3.00.

Eight theoretical and six practical periods per week.

College Credit 1½.

QUALITATIVE ANALYSIS 82.

Mr. White.

Lectures and laboratory work. Laboratory fee, \$3.00.

Twelve practical periods per week.

College Credit 1.

QUANTITATIVE ANALYSIS 84.

Professor Broughton.

A brief course illustrating some of the principles in the quantitative study of chemistry. Laboratory fee, \$5.00.

One theoretical and twelve practical periods per week.

College Credit 1.

GENERAL ZOOLOGY 241.

Professor Cory.

A study is made of the general form characteristics, habits and classifications of animals from the lowest to the highest forms. It is designed to give the student that knowledge of animal life without which his education is incomplete. Laboratory fee, \$3.00.

Three theoretical and six practical periods per week.

College Credit 1.

GENERAL ENTOMOLOGY 243.

Professor Cory.

This course is offered to all students who have completed course 241. It consists of a study of insects, their classification, structure and relation to man. The practical work will consist of laboratory studies of the structures of typical forms, and a

study in the field of the habits of insects, particularly those which are injurious to crops. Laboratory fee, \$3.00.

Three theoretical and six practical periods per week.

College Credit 1.

PRINCIPLES OF PSYCHOLOGY 2.

Professor Bomberger.

Lectures and text-book. Fee, \$1.00. Text used: Angell's *Psychology*.

Five theoretical periods per week.

College Credit 1.

HISTORY OF EDUCATION 3.

Professor Bomberger.

Outline of the historical development of modern education. Fee, \$1.00. Text used: Monroe's *Brief Course in the History of Education*.

Five theoretical periods per week.

College Credit 1.

PRINCIPLES OF EDUCATION 4.

Professor Bomberger.

Study of the principles and methods of modern education. Fee, \$1.00. Text used: Thorndyke's *Education*.

Five theoretical periods per week.

College Credit 1.

AGRICULTURAL EDUCATION 5.

Professor Metzger.

The purpose of this course is the preparation of the student for the teaching of agricultural subjects through a knowledge of the educational aims, and of the principles applying to the choice of subject matter. The course involves a study of the recitation in its parts, the methods of conducting and the function of laboratory and field exercises, and the correlation of agriculture with other subjects. Fee, \$1.00.

Four theoretical and three practical periods per week.

College Credit 1.

MECHANICAL DRAWING 424.

Professor Gwinner.

Practice in plain lettering, use of the instruments, projection, and simple working drawings, the plates upon completion being enclosed in covers properly titled by the students. Fee, \$1.00.

Six practical periods per week.

College Credit 1.

SURVEYING 121.

Mr. Springer.

This course includes the use and adjustment of engineering instruments, the methods of land surveying, the plotting and computing of areas, dividing of land, the theory of the stadia, true meridian lines, leveling, topographical surveying, railroad curves and cross sectioning. Fee, \$1.00.

Three theoretical and six practical periods per week.

College Credit 1.

PHYSICS 201.

Professor Creese.

The course begins with a review of mechanics, after which heat, electricity and magnetism, sound and light are taken up successively by lectures, recitations, problems and demonstrations. A knowledge of the elements of plane trigonometry is required for entrance. The laboratory work consists of a series of experiments, mainly quantitative, designed to illustrate and verify the laws and principles considered in the class-room and to develop in the student skill in manipulation and accuracy in making precise measurements. Laboratory fee, \$2.00.

Four theoretical and four practical periods per week.

College Credit 1.

WOODWORK 426.

Associate Professor Crisp.

The use and care of bench tools, exercise in sawing, mortising, tenoning and laying out work from blue prints is taught. The second part of the course is devoted to projects involving construction, decoration and wood turning. Fee, \$1.00.

Ten practical periods per week.

College Credit 1.

CIVIL GOVERNMENT 140.

Professor Bomberger.

Study of the history and development of the Constitution of the United States. Fee, \$1.00. Text used: *Beard's American Government and Politics.*

Five theoretical periods per week.

College Credit 1.

POLITICAL ECONOMY 143.

Professor Bomberger.

Principles of the political economy and industrial development of the United States; rural economics, social science and current problems. Fee, \$1.00. Text used: Seager's *Introduction to Economics*.

Five theoretical periods per week.

College Credit 1.

RHETORIC AND COMPOSITION 226.

Professor Richardson.

A study of the principles and practice of rhetoric and composition. Work in rhetoric consists in a study of diction, the sentence, the paragraph, the discourse, the nature and structure of prose and poetry. Work in composition consists of twelve themes, especially adapted to the needs of the class. Fee, \$1.00. Text used: Brooks and Hubbard's *Composition and Rhetoric*. Hart's *Rhetoric*, Swinton's *Word Analysis*.

Five theoretical periods per week.

PUBLIC SPEAKING 228.

Professor Richardson.

Lectures on ancient and modern orators, with readings and declamations from their orations. Extempore speeches. Original orations on subjects requiring careful and intelligent research. Debates,

Two periods per week.

College Credit 1.

AMERICAN LITERATURE 229.

Professor Richardson.

A study of the most important American writers and their works, with selected readings. Aside from giving an accurate knowledge of American literature, this course is especially intended to increase the vocabulary of the student, promote facility of expression and develop the power of original thought. Fee, \$1.00. Text used: Halleck's *American Literature*, Bronston's *American Poems*.

Three theoretical periods per week.

College Credit $\frac{1}{2}$.

ENGLISH LITERATURE 230.

Professor Richardson.

A study of the history of English literature and the lives of the principal writers, with selected readings from English authors, orators and poets. Fee, \$1.00. Text used: Long's *English Literature*, Newcomer and Andrews' *Twelve Centuries of English Poems and Prose*.

Three theoretical periods per week.

College Credit $\frac{1}{2}$.

LATIN GRAMMAR AND COMPOSITION 340.

Professor Spence.

The aim of this course is to make the student conversant with Latin forms and terminations, and to enable him to read simple Latin prose. Fee, \$1.00. Text used: Collar and Daniels' *First-Year Latin*, or Bennett's *First-Year Latin*.

Five theoretical periods per week.

College Credit 1.

LATIN SYNTAX AND TRANSLATION 341.

Professor Spence.

Reading of Caesar and Sallust, with prose composition selected from the text read. Fee, \$1.00. Text used: Smith's *Latin Lessons*, Harper and Tolman's *Commentaries of Caesar*, and Seudder's *Sallust*.

Five theoretical periods per week.

College Credit 1.

GERMAN GRAMMAR AND CONVERSATION 360. *Professor Spence.*

Text-book: Bacon's *German Grammar*. Fee, \$1.00.

Five theoretical periods per week.

College Credit 1.

GERMAN 36.

Professor Spence.

Translation of texts selected from the following: Hauff's *Das Kalte Herz*, Schiller's *Der Neffe als Onkel*, Wildenbruch's *Das Edle Blut* and *Der Letzte*, Hillern's *Hoher als die Kirche*, Grandgent's *Ali Baba and the Forty Thieves*, Sybel's *Die Erhebung Europas*, Walter's *Algemeine Meerskunde*, Brant and Day's *Scientific German*, Wallenstein's *Grundzuge der Naturlehre*, Moser's *Der Bibliothekar*. Fee, \$1.00.

Five theoretical periods per week.

College Credit 1.

SOLID GEOMETRY 405.

Professor Harrison.

Books six to eight, inclusive, with selected practical problems. Fee, \$1.00. Text-book: Wentworth's.

Five theoretical periods per week.

College Credit 1.

TRIGONOMETRY 406.

Mr. Springer.

Deduction of formulas and practical application of same in the solution of right and oblique triangles, etc. Fee, \$1.00. Text-book: Wentworth's.

Five theoretical periods per week.

College Credit 1.

SCHOLARSHIPS.

To encourage *worthy young men* who desire a Collegiate Education, the Board of Trustees has established for each high-school in Maryland and the District of Columbia one scholarship *each year*.

The person awarded the scholarship must be a graduate of an approved high-school, and qualified to enter the Freshman class, and must be of approved character and at least 15 years of age.

The appointment to a scholarship shall be made by the School Superintendent, upon the recommendation and certification of the Principal of the High-School.

Each scholarship has the value of \$50.00 per year.

Counties which do not have a high-school will be given one \$50.00 scholarship each year, and the recipient may enter the Sub-Freshman class. The appointment to the scholarship is to be made by the County Superintendent after a competitive examination.

Industrial scholarships, the value of which is determined by the amount and character of work done, are awarded to worthy young men of limited means.

For further information, address the President of the Maryland Agricultural College).

ADVANCE REGISTRATION BLANK.

Summer Training School for Rural Teachers to be held at
the Maryland Agricultural College, College Park, Maryland,
June 21st to July 30th, 1915.

Name

County

State

Post Office Address

Rural Route or Street and Number

Name and address of parent or guardian.....

.....

Do you want to room in the Dormitory?

Name the subjects you wish to study.

First choice.

Second choice.

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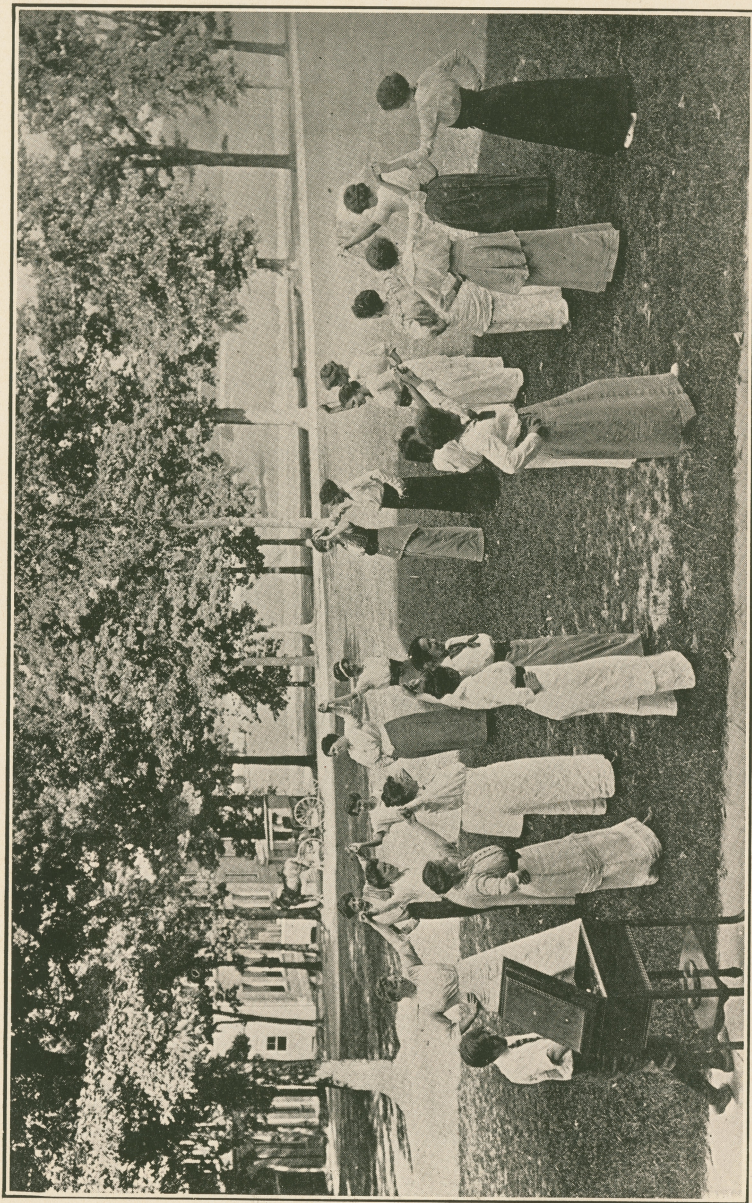
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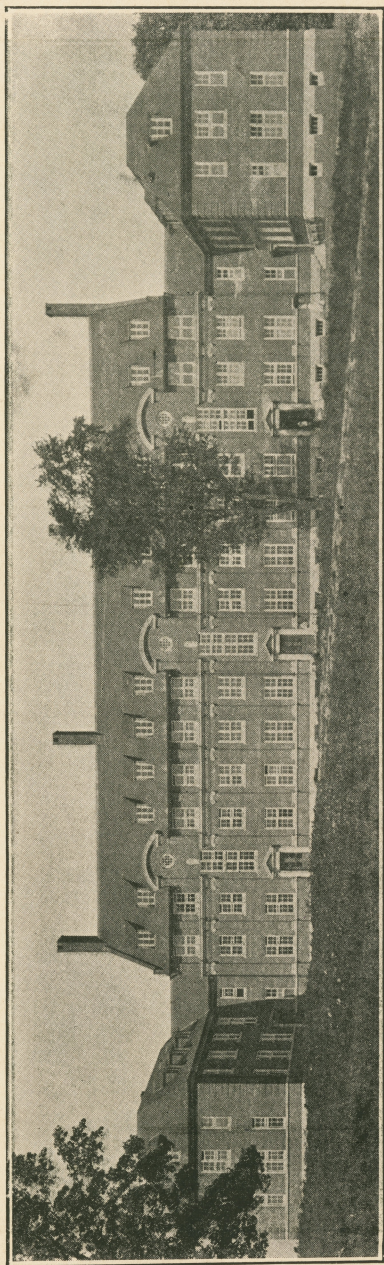
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This blank should be filled out in full and mailed to J. E.
Metzger, Director of Summer School, College Park, Maryland.

Date.....



A CLASS IN GAMES, SUMMER SCHOOL, 1914.



CALVERT HALL DORMITORY.